

OPRA All Hands Meeting

FY15 Program Highlights

Partnerships and Environmental Stewardship Program

Melanie Wood, Director

Environmental Stewardship Unit - Acting, Melanie Wood
Lead, Pesticides and Children's Health Unit - Jennifer Schuller
Admin/Tech (SEE) - Melissa Snyder

- * Regional Awards board chairperson for OPRA (Melanie)
- * OPRA representative on Regional Training Steering Committee (Melanie)
- * Hosted the OCSPP Regional Division Directors Meeting (Melanie, Melissa, Aimee, and others)
- * OPRA Water Reorg. Process Team member (Melanie)
- * OPRA Admin. Workgroup member (Melanie)
- * RLT Charter workgroup member (Jennifer)

State Program Managers

- Gerard Bulanowski - CO, UT (and now MT)
 - Anthony DeLoach - ND, SD, and WY
-
- * Conducted state midyear rollout meeting and hot wash (Anthony, Gerard, Melanie)
 - * Organized the annual State Environmental Directors and Oil & Gas Directors Meeting in September (Anthony, Melissa, Melanie)
 - * Worked with states on 2-year PPAs—as a result, 5 of our 6 Region 8 states have 2-year PPAs (Anthony, Gerard)
 - * Provided support to other regions on 2-year PPA development (Gerard)

ENERGY STAR (ESU)

- Patty Crow, Kate Gregory, Aimee Reisbeck

- * Denver ranked 9th in America's leading cities for building energy efficiency. Denver had 195 buildings certified; saving over \$47 million in energy costs and 384,922 emissions savings (MTCO₂e) (Patty)
- * Trained 300 realtors, lenders and associated residential professionals on the ENERGY STAR residential tools, state incentive programs and energy efficient mortgages (Kate)
- * Participated in the ENERGY STAR nationwide Change the World Tour and spoke to an audience of over 200 residents about ENERGY STAR products and Children's Health month (Patty, Melanie)

Sustainability Materials Management (ESU)

- Cindy Cody

- * Provided technical assistance for Smart Growth/Building blocks in Cheyenne WY; Ft. Pierre, SD; Nederland CO; and Steamboat Springs
- * Worked with Pierre, SD on Greening America's Capital. Great partnership with EPR on this effort
- * Lead Making a Visible Difference Community effort for Sun Valley and assisted with Colorado Sustainable Flood Recovery, Colorado Smelter Revitalization, Helena QCX, Poplar/Ft. Peck, Oglala Lakota Plan

Sustainable Materials Management (ESU)

- Virginia Till, Food Recovery Challenge Coordinator
- Mary Byrne, Federal Green Challenge Coordinator

- * Recognized Colorado State University for diverting 490 tons of wasted food (Virginia)
- * Increased active participants in the Food Recovery Challenge by 41% (Virginia)
- * Worked with the General Services Administration (GSA) to plan a Federal Green Challenge Summit (Mary)
- * Started working with GSA to implement the new executive order on sustainability (Mary)
- * Conducted numerous outreach events including RA weeks of action (Virginia, Mary)

Pollution Prevention-P2 (ESU)

- Kate Gregory, P2 Coordinator

- * Provided 'Pollution Prevention 101' training to potential grantees to increase quantity and quality of P2 grant applications. These efforts resulted in a 25% increase in successful Region 8 grant applicants
- * Conducted Safer Choice outreach and completed the first regional "in the moment" Safer Choice video
- * Worked with Boulder County Open Space on flood recovery efforts (Marie)

Toxic Release Inventory-TRI (ESU)

- Barbara Conklin, TRI Coordinator

- * Assisted HQ in preparation of TRI Regional Coordinator 101 - a guide for new TRI Regional Coordinators
- * Worked with Region 7 to conduct TRI training for industry for R7 and R8 facilities
- * Provided on-site compliance assistance to regulated facilities in Colorado
- * Conducted all data quality reviews for Region 8

Lead Program (LPCHU)

- Michelle Reichmuth, Lead Coordinator
 - Colleen Nunn (SEE), Victor Valadez (SEE), Clyde Wilson (SEE)
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- * Worked with county building permit offices to incorporate lead RRP requirements into code (Michelle, Clyde)
 - * Lead a team to focus outreach, inspections and enforcement in a geographic area to improve compliance with the Renovation, Repair and Painting (RRP) Rule (Michelle)
 - * Developed Public Service Announcements on lead poisoning prevention featuring Channel 7's Mike Nelson and Dr. Oz (Michelle)
 - * Conducted numerous outreach events (Michelle, Colleen, Clyde, Victor, Chris)

Pesticides Program (LPCHU)

- Margaret Collins, Peg Perreault, Adrienne Rivera, Suzanne Stevenson, Jolene Trujillo, Suzanne Stevenson, Clyde Wilson (SEE)

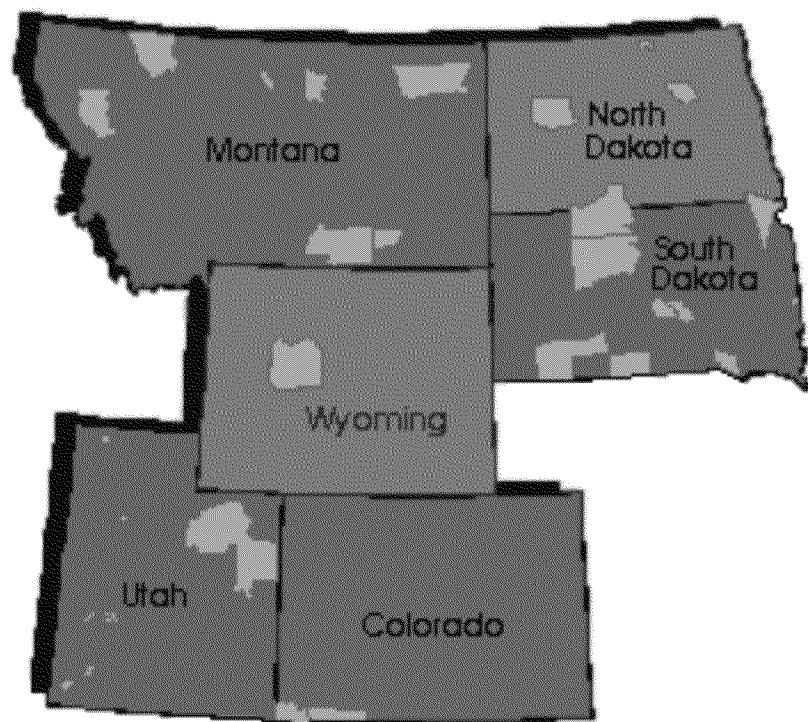
- * 380% increase since 2012 in students covered by School Integrated Pest Management program in Colorado (Clyde)
- * Key role in the National Strategy to Promote Pollinator Health and the Pollinator Research Action Plan (Peg)
- * Recognized efforts of the national FIFRA Cooperative Guidance Team with a bronze medal (Margaret)
- * Over 100 new requests for federal Pesticide Applicator Certification in Indian Country were processed in 2015 (Suzanne, Melissa)

Children's Health (LPCHU)

- Kim Bartels, CEH Coordinator
- Barbara Conklin, CGHS Coordinator
- Chris Frye (SEE)

- * Finalized Regional Children's Health Strategy (Kim)
- * Reviewed applications for the National Institute of Environmental Health Sciences Children's Center network (Kim)
- * Influenced National Children's Health Strategy by providing considerable comments and suggestions (Kim, Barbara)
- * Conducted numerous outreach events (Kim, Barbara, Chris)

Region 8 Tribal Assistance Program 2015 Highlights



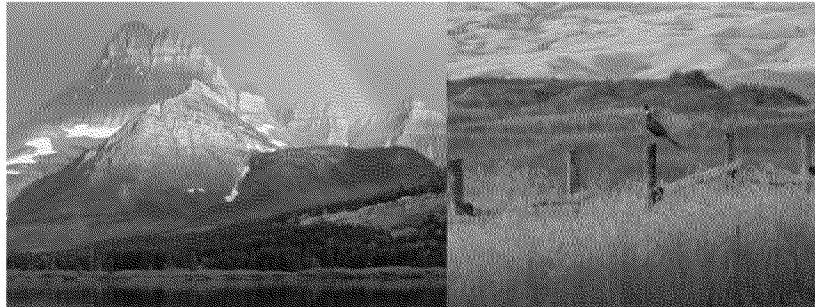
Tribal Assistance Program (TAP) Tribal Consultation and Coordination

TAP assists with the Region's efforts to protect human health and the environment of Tribes by supporting implementation of federal environmental laws consistent with the federal trust responsibility, the government-to-government relationship, and EPA's 1984 Indian Policy.

TAP leads the Region's consultation process (coordination/logistics).

TAP assisted with the following National consultation opportunities:

- * Draft Guidance for Discussions on Treaty Rights
- * Baseline Water Quality Standards
- * Indian Country Minor New Source Review (NSR) Program Oil and Natural Gas Production
- * Policy on Environmental Justice for Tribes and Indigenous Peoples



Account for over 22.8 million acres of land (an area approximately the size of Indiana).

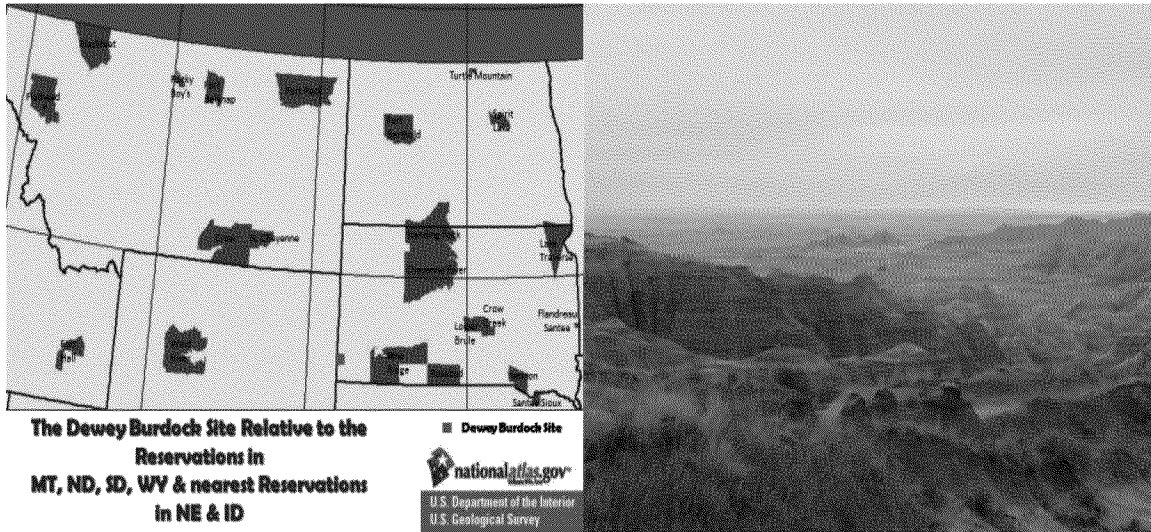
Gold King Mine Spill

Tribal lead Randy Brown deployed to work on the Gold King Mine Spill and with the Southern Ute Tribe. Randy provide daily updates to the Tribal Chairman and Council. In addition, Randy served as liaison between the Tribe and the Region.



Dewey Burdock

Tribal lead Greg Phillips - co-led with Valois Shea (Water Program) Tribal consultation with the Oglala Sioux Tribe and Tribes in Region 7 (Santee Sioux and Ponca).



Mandan, Hidatsa and Arikara Nation

Tribal lead Sam Vance, initiated the Senior Leadership Team (SLT) visit to the Fort Berthold Reservation, resulting in discussions on emergency response protocol and energy development.



OPRA ALL HANDS

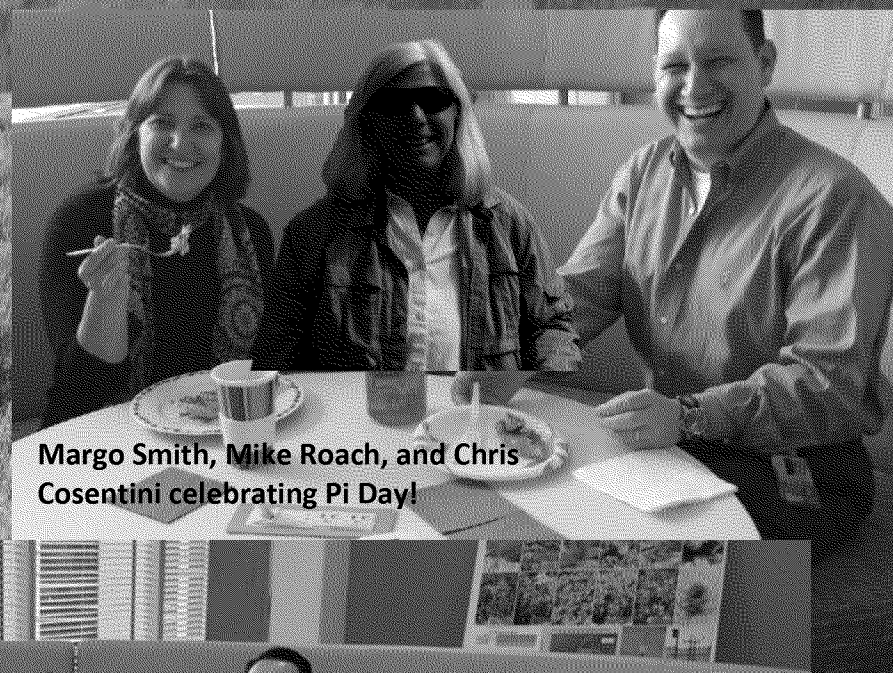
Region 8 RCRP 2015 Accomplishments



Bears Ears, Utah

2017-002519-0000052

The new Hazardous Waste State Grant Distribution Methodology is final, we modified the national formula to meet the needs of our states and continue to monitor and if needed refine the R8 STAG funding model



Margo Smith, Mike Roach, and Chris Cosentini celebrating Pi Day!



WDEQ changed their RCRA rule making process to incorporate by reference; reducing their regulations from 1300+ pages to 58

Solvay Silver Bow Elemental Phosphorus Plant - RCRA direct implementation of RFI and Corrective Action



We now have a comprehensive picture of region-wide permitting status, issues and progress.

Through which we discovered discrepancies on the GPRA Permitting Baseline and worked with HQ to correct and revise the Baseline

Mike



Mark

Jesse

Welcome new employees Mike Roach, Jesse Newland and Mark Hendrix!

We're able to leverage our strategy to assist HQ in developing the next national permits strategy, as they've adopted our simple approach as the basis for discussion

Margo Smith with her fellow groundwater forum members



Montana

Solid Waste program resolves
CAP with Oglala Sioux Tribe,
Redshirt Landfill

Mark

Theresa

Brenda

Nadine

UST program issues enforcement action to
Country Market resulting in site assessment,
remediation and closure in less than 6 months

Ray

Francis

Janice

Matt

Brendan

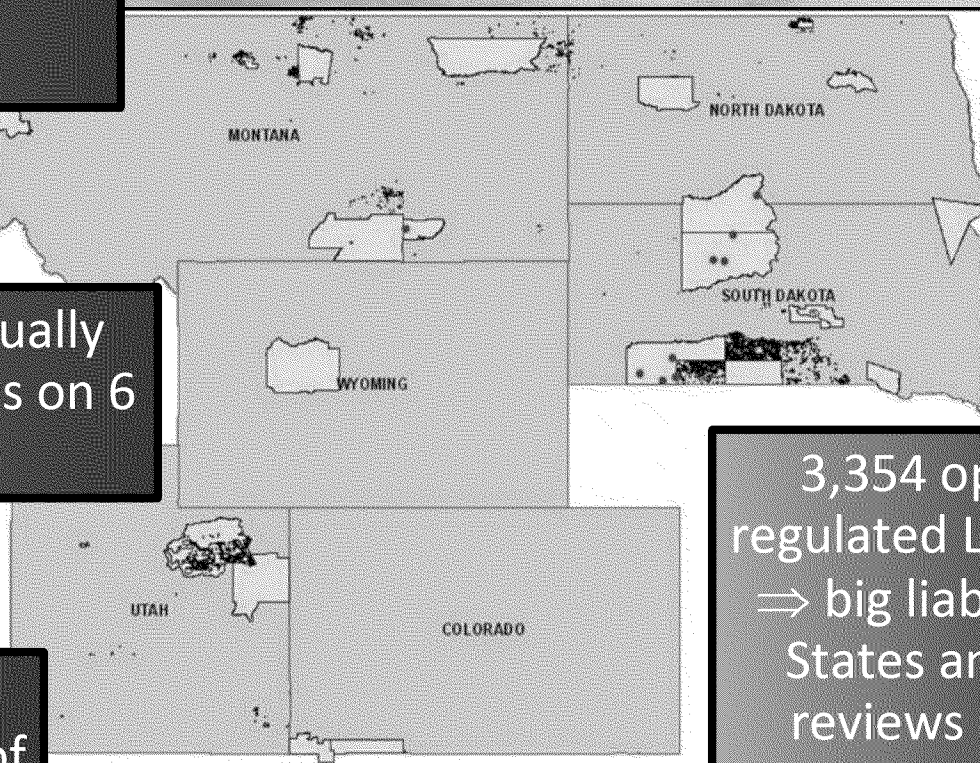
TSCA PCB program issues denial
to ECDC to use an existing solid
waste cell ensuring protection of
groundwater resources

In 2015 UST Unit Followed the \$\$\$\$: Reviewing State Funds that pay for LUST cleanups

\$500 million in liabilities
in R8 alone!

UST Program annually
reviews and reports on 6
SFs.

Reviews have
highlighted causes of
backlog of cleanups
in MT and WY



3,354 open federal
regulated LUST cleanups
⇒ big liabilities for the
States and EPA ⇒ SF
reviews ensure that
cleanups are progressing
and there is enough
money to pay for
cleanups.

Badlands, South Dakota

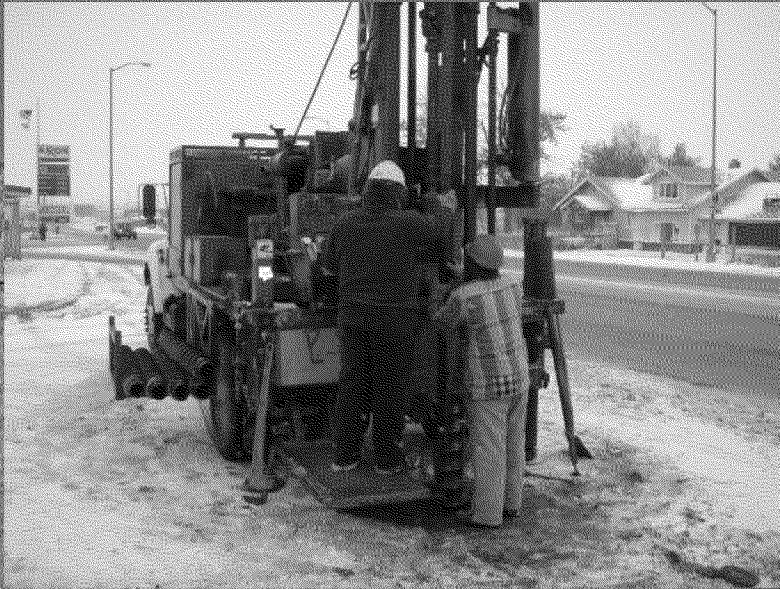
The UST Program has Direct Implementation for Inspections in Region 8 Indian Country



Approx. 65 inspections
are conducted each year

Mount Rushmore, South Dakota

The LUST Program has Direct Implementation for Clean-ups in Region 8 Indian Country



The LUST program is currently conducting remediation at a number of facilities in Indian Country utilizing green remediation such as wind, solar and microbial fuel cell technologies



Mount Moran, Wyoming

Tribal Partnerships



**EPA Annual UST
Tribal Capacity
Building**



**Tom McClure
CSKT Federally Credentialed UST
Inspector**

North Dakota

Tribal Solid Waste Program

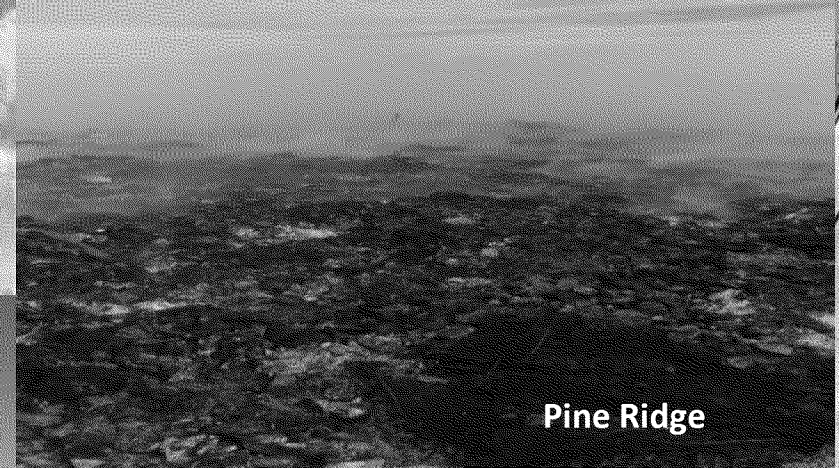
View near an open dump in Fort Berthold



Unmanaged Waste Site in Fort Berthold



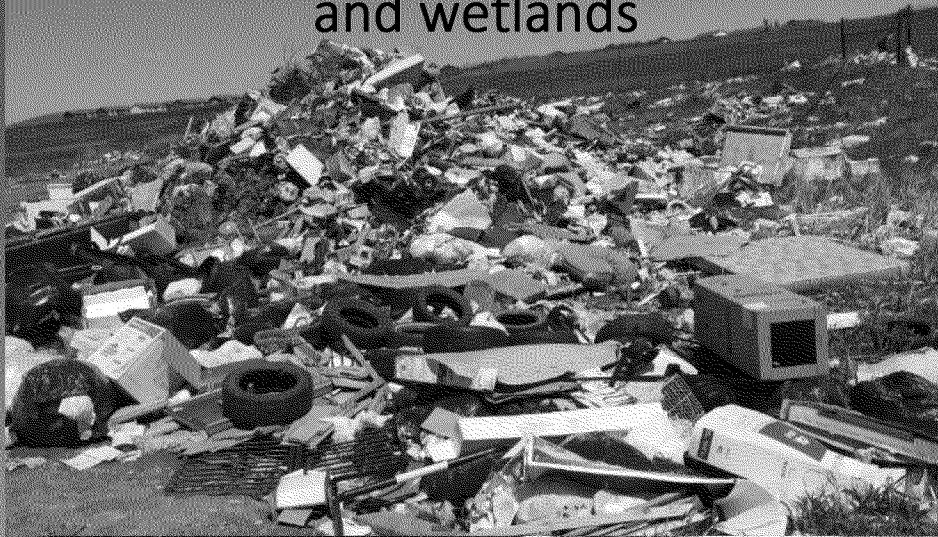
November 9, Redshirt Landfill Fire. EPA OSC deployed to put fire out.



Pine Ridge

The Solid Waste Program continues to work with the tribes in R8 to address challenging solid waste issues

Waste site near a community
and wetlands



View of Wetlands



Westen
Knudsen



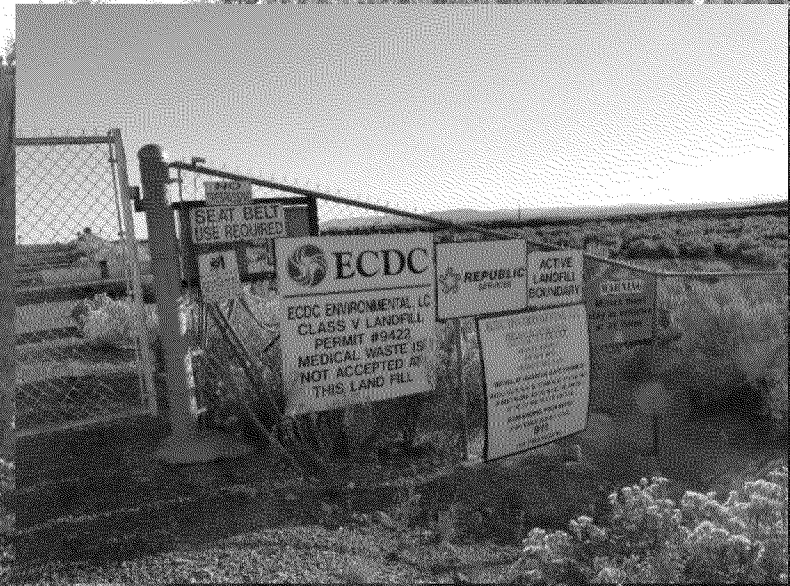
Northern Cheyenne

We have successfully worked with our federal partners to provide technical and financial support to address solid waste management issues on a variety of reservations.

Ute Mountain Ute

Region 8 PCB Program

- Oversaw 9 existing commercial storage/treatment/disposal permits and picked-up review application backlogs
- Observed stack test at Aragonite Incinerator

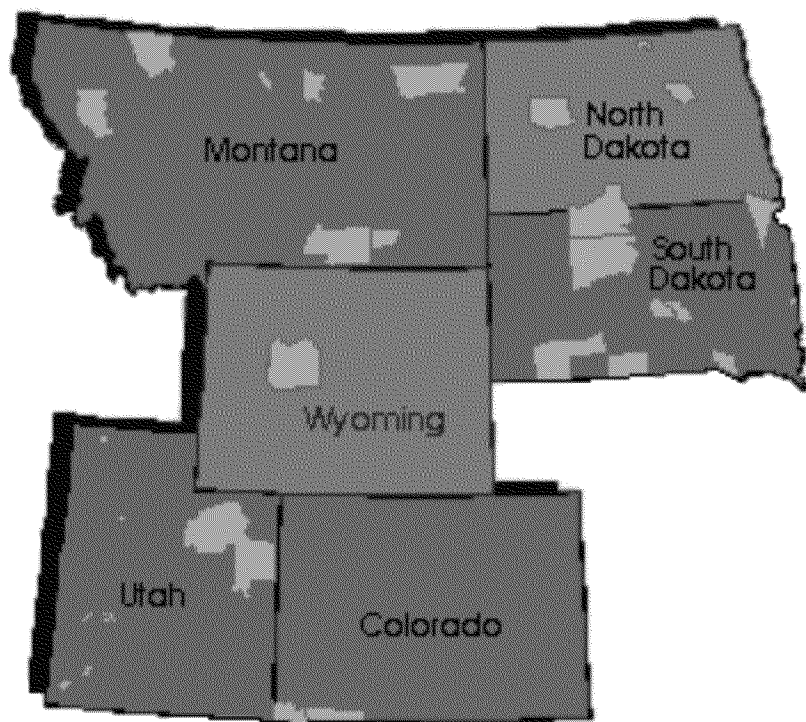


- Resolved LDR issues and renewed Grassy Mountain Landfill permit
- Completed several PCB used-oil and soil contamination sites



Region 8 Air Program

Improving Air Quality - 2015 Highlights



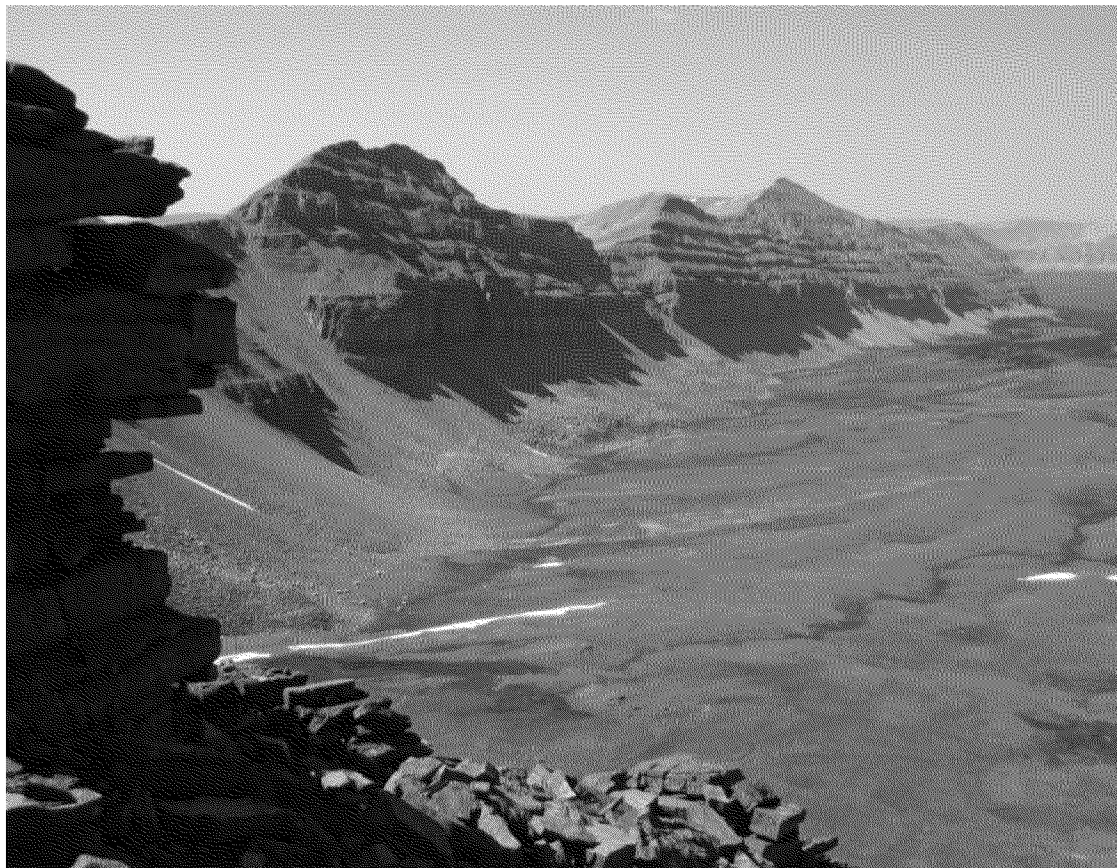
- * Region 8 coordinated with Utah DEQ on the development of a PM_{10} maintenance plan and a $PM_{2.5}$ attainment plan for the Salt Lake City area.
- * As part of this process, the Region finalized approval of 24 area source rules for the non-attainment areas, which will reduce $PM_{2.5}$ emissions.



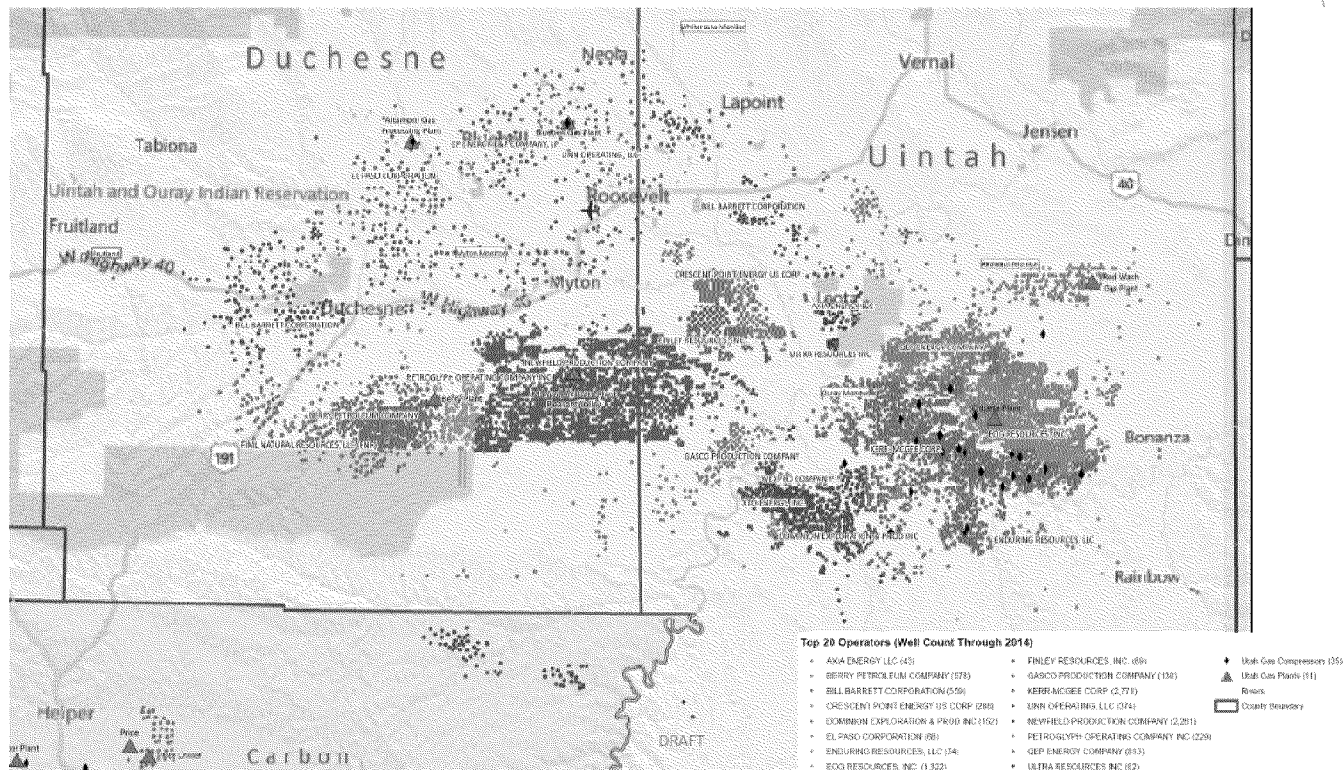
- * Region 8 conducted 35 external outreach related to the Clean Power Plan
- * These activities have been critical in getting timely and accurate information to stakeholders related to the proposed and final rule.



- * Continued work with the Ute Tribe on a reservation specific plan to reduce emissions from existing oil and gas sources.
- * Met with sources and other stakeholders to seek their thoughts on a potential federal plan.



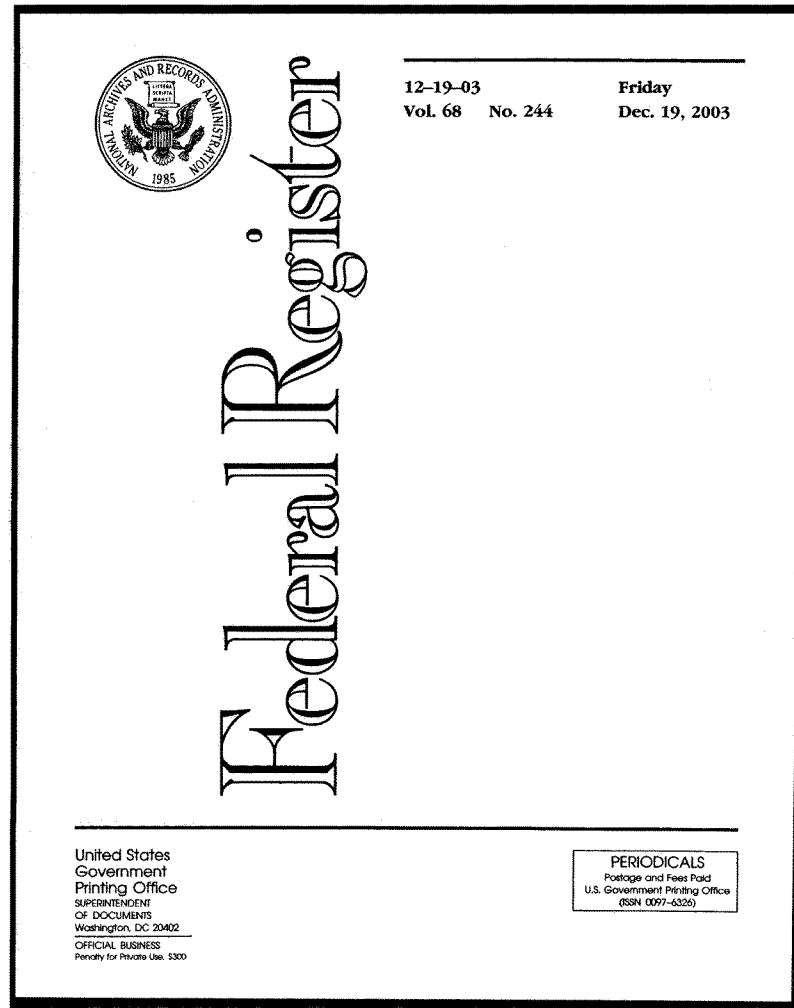
- Working collaboratively with the Utah DEQ, developed an emissions inventory process for oil and gas sources to report emissions data in the Uinta Basin.
- This is a key step in the air quality planning process before necessary pollution reductions can take place.



- * Finalized the Deseret power plant's operating permit and proposed a corresponding PSD correction permit, reducing nitrogen oxide emissions by approximately 40% (6 million pounds per year).
- * Finalized 4 synthetic minor New Source Review permits with a combined total annual reduction of 42 tons BTEX, 89 tons VOC, 60 tons NO_x, 160 tons CO, 41 tons formaldehyde, and 490 tons SO₂.



Consistent with the state-by-state SIP management plans, completed 56 SIP actions of which 29 were backlogged and 6 had consent decree deadlines.



- * Acted on a total of 42 Exceptional Events (unusual or naturally occurring events that can affect air quality, but are not reasonably controllable)

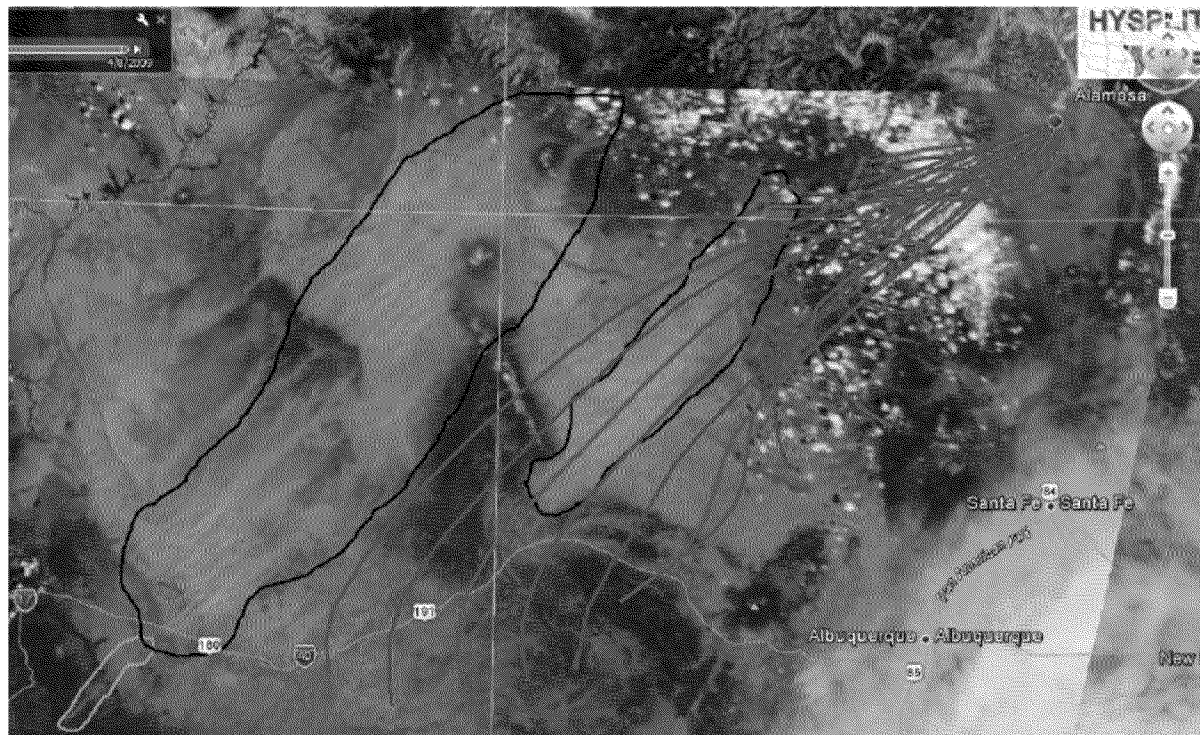


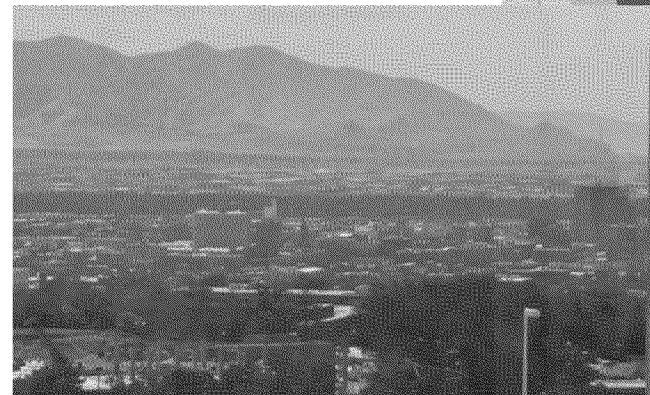
Figure 21. Output from NOAA HYSPPLIT back trajectories in Figure 15 overlaid on 18:45 Z April 8, 2009 (11:45 AM MST April 8, 2009) MODIS AERONET_Sevilleta Subset - Terra 250m True Color satellite imagery in Figure 10.

Awarded two FY2015 funded Diesel Emission Reduction Act grants in the amount of \$500,000 each to the Utah DEQ and the Sioux Falls School District. The Utah project will replace 15 school buses with current model year school buses. The Sioux Falls project will replace 20 school buses with current model year school buses.

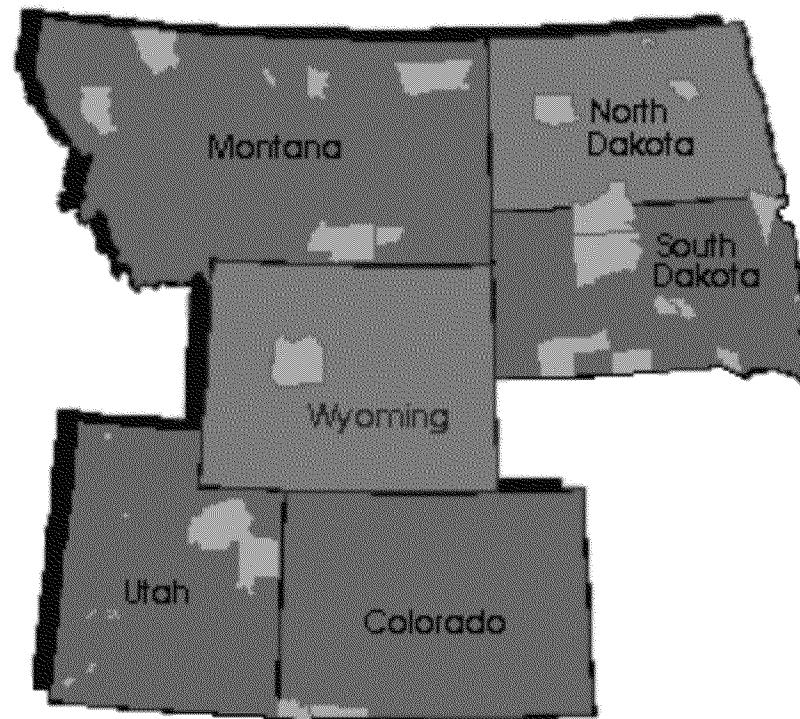


CDPHE will receive \$399,111 to partner with Denver Environmental Health to conduct air toxics measurement in the environmental justice communities adjacent to the I-70/I-25 freeway interchange area in the Globeville, Elyria, and Swansea neighborhoods of Denver.

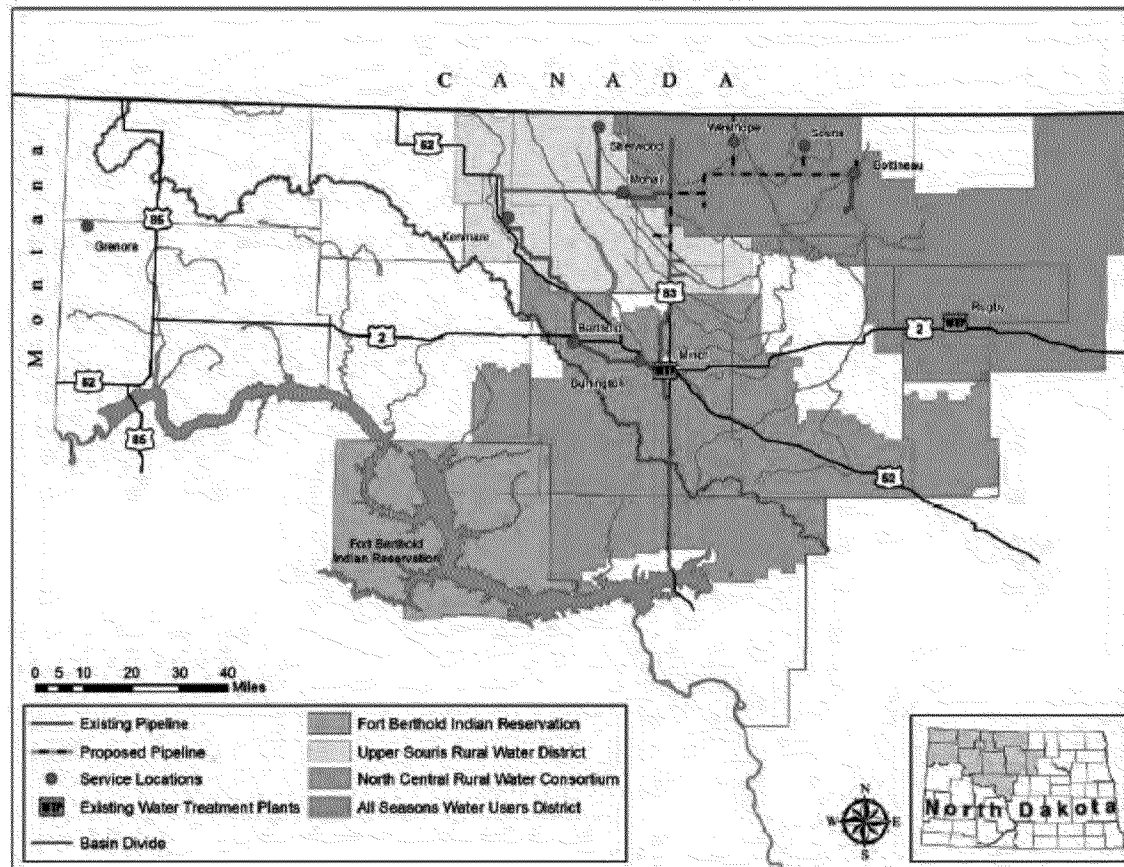
The Utah DEQ will receive \$355,000 for air toxics monitoring to better estimate population exposure in the economically underserved West Valley neighborhood of Salt Lake City.



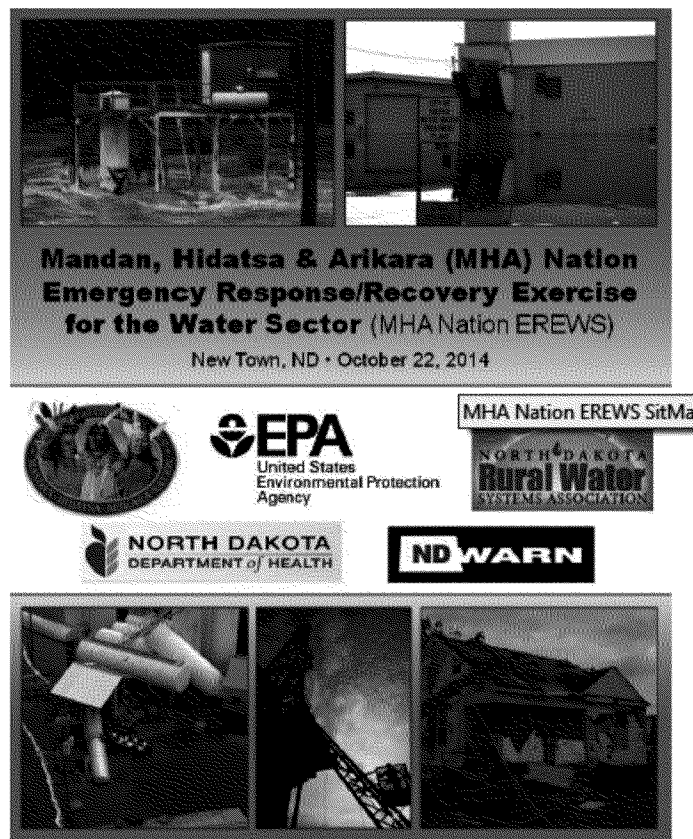
Region 8 Water Program 2015 Highlights



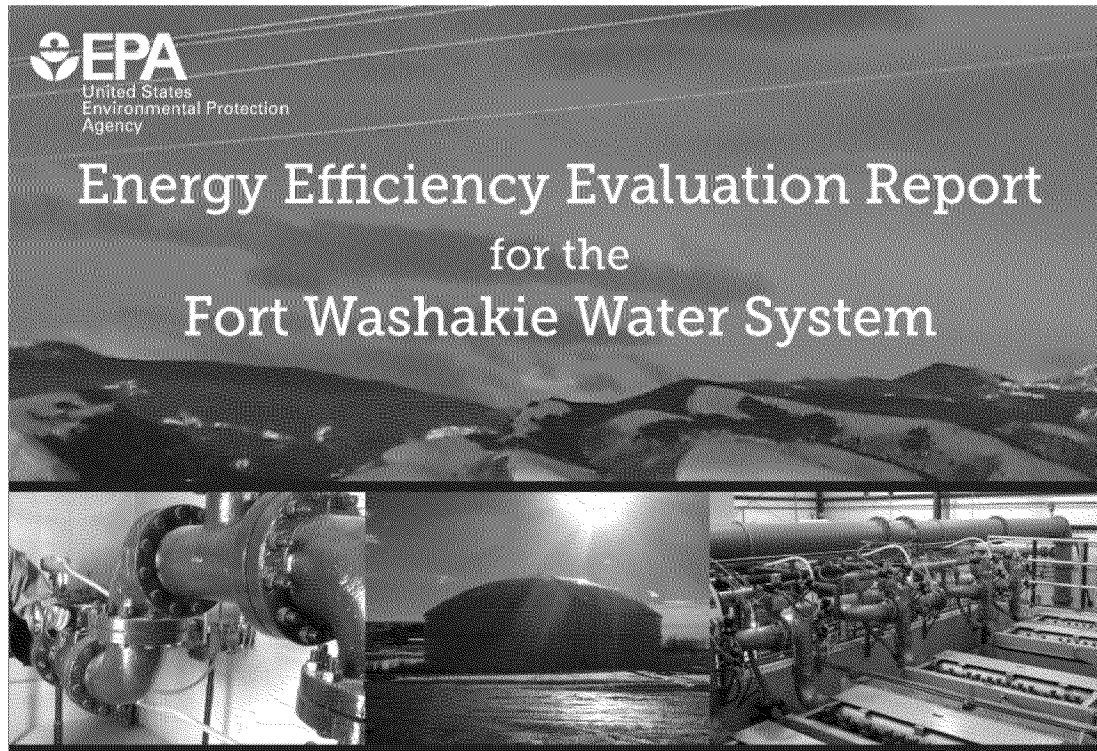
In coordination with NEPA and NDDoH, the Drinking Water Program made a successful case to BOR for a water treatment system that will help to avoid carcinogenic disinfection byproduct impacts to 100,000 water consumers in Minot and surrounding communities.



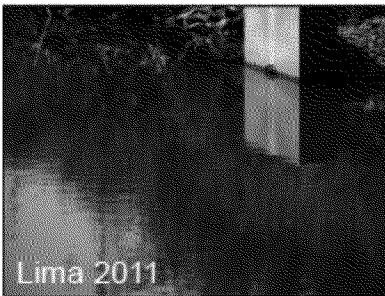
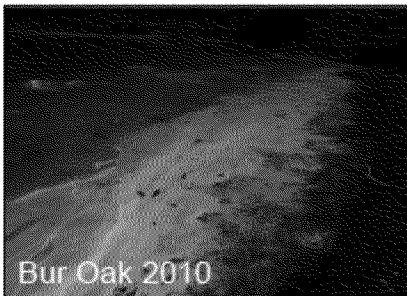
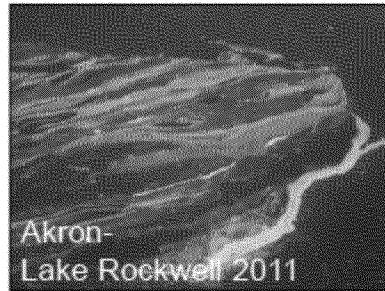
The Drinking Water Program and Emergency Response conducted an emergency table top exercise in New Town, ND, to assist the Three Affiliated Tribes and other stakeholders identify the major issues related to water sector-related emergency response and recovery; examine their various roles; and consider how to improve communication among water utilities, governments, and other response partners during an emergency.



The Drinking Water Program conducted an Energy Audit at the Fort Washakie surface water plant on the Wind River reservation, identifying a potential cost savings of over \$6,000 a year which is a 20% reduction of their total annual electricity costs.



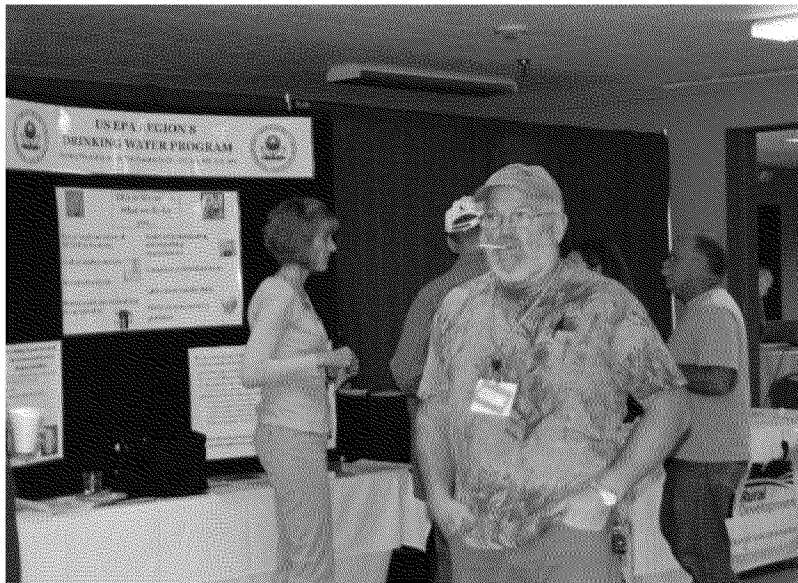
The Water Program helped host a workshop on Harmful Algal Bloom related drinking water and recreational use support issues in an effort to engage both Clean Water Act and Safe Drinking Water Act State Agencies to learn more about cyanobacteria and toxins and response, control, and management strategies.



The Wastewater Program issued 5 NPDES permits for oil and gas operations on the Wind River Indian Reservation, which include effluent limits based on tribally adopted water quality standards, as well as a requirement to maintain an inventory of chemicals used for well treatment and well maintenance, and to disclose that information if there is a discharge.



Drinking Water provided >8 hours of compliance training to over 600 Wyoming water operators and industry professionals



Drinking Water created outreach materials to prepare water operators for the Revised Total Coliform Rule

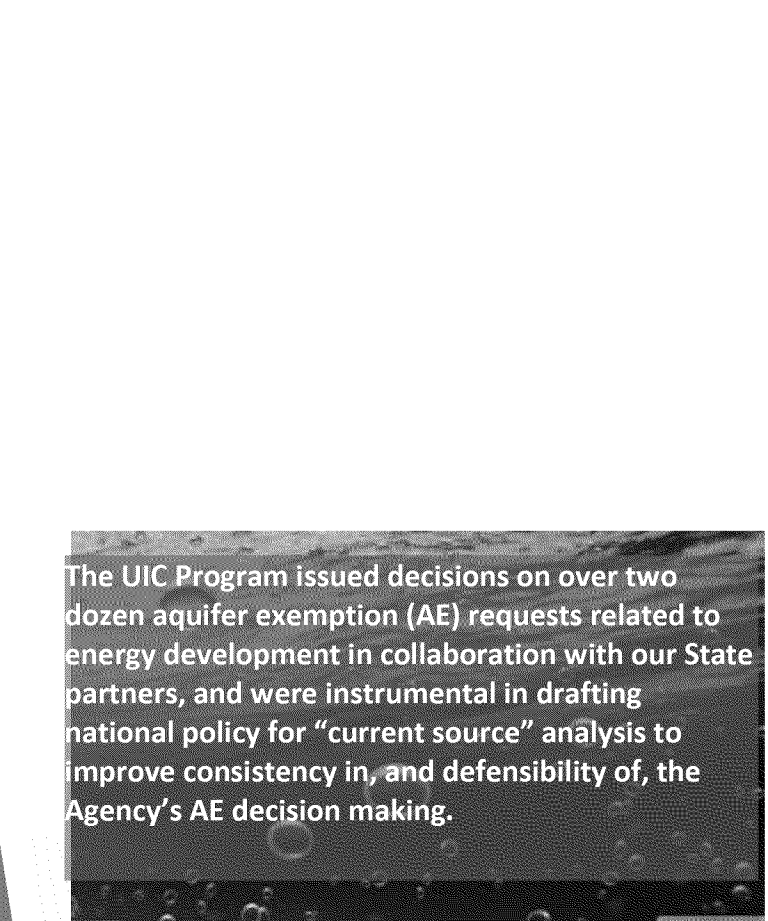
EPA Region 8 Quick Reference Guide for the Revised Total Coliform Rule

Overview of the Rule

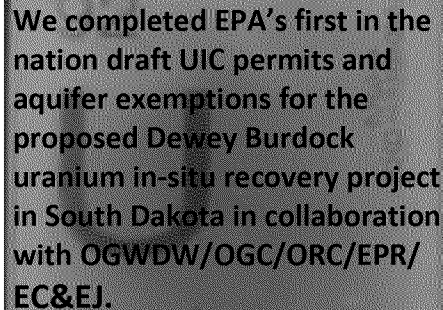
The Revised Total Coliform Rule (RTCR) aims to increase public health protection through the reduction of potential pathways for fecal contamination in the distribution system of a public water system (PWS).

As of April 1, 2016 All PWSs in Wyoming and Indian Country in Region 8 must comply with the RTCR requirements as defined by EPA Region 8.

So what do you need to know?



The UIC Program issued decisions on over two dozen aquifer exemption (AE) requests related to energy development in collaboration with our State partners, and were instrumental in drafting national policy for “current source” analysis to improve consistency in, and defensibility of, the Agency’s AE decision making.



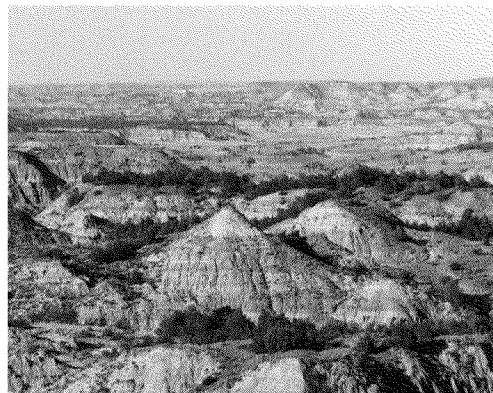
We completed EPA’s first in the nation draft UIC permits and aquifer exemptions for the proposed Dewey Burdock uranium in-situ recovery project in South Dakota in collaboration with OGWDW/OGC/ORC/EPR/EC&EJ.



And we hired Omar!



The UIC Program successfully secured the necessary contractual and interagency (i.e., BLM) funding to maintain critical FTE permitting and database management capacity in collaboration with Water’s TFS Unit



The UIC program completed an on-site file review of North Dakota's UIC Class II program using an enhanced oversight process in collaboration with EC&EJ's UIC Team.

We hosted the national UIC Managers Meeting focused on ensuring a consistent Agency response to a number of issues (e.g., diesel hydraulic fracturing and Class II program oversight) raised by the OIG and GAO.

Through UIC permitting, we continued to streamline authorization of many deep and shallow injection wells with the technical and administrative support of our SEEs, saving EPA hundreds of dollars and employee hours.



"That's our mission statement."

And we hired Omar!



**Thank You To All
of OPRA for Your
Terrific
Contributions in
FY15!!**